

5000
CRFI
ENTERED

PCT

RAW SEQUENCE LISTING

DATE: 02/12/2003

PATENT APPLICATION: US/10/031,193A

TIME: 07:21:33

Input Set : N:\Crf3\dbback2\Datahold\EFS\10031193\NEX86PCT.txt

Output Set: N:\CRF4\02122003\J031193A.raw

3 <110> APPLICANT: Gilead Sciences, Inc.
 5 <120> TITLE OF INVENTION: Tenascin-C Nucleic Acid Ligands
 7 <130> FILE REFERENCE: NEX 86/PCT
 9 <140> CURRENT APPLICATION NUMBER: 10/031,193A
 10 <141> CURRENT FILING DATE: 2002-01-15
 12 <150> PRIOR APPLICATION NUMBER: 09/364,902
 13 <151> PRIOR FILING DATE: 1999-07-29
 15 <160> NUMBER OF SEQ ID NOS: 65
 17 <170> SOFTWARE: PatentIn Ver. 2.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 71
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

27 <220> FEATURE:
 28 <221> NAME/KEY: modified_base
 29 <222> LOCATION: (1)..(56)
 30 <223> OTHER INFORMATION: N at positions 17-56 is A, C, T, or G
 32 <400> SEQUENCE: 1
 W--> 33 tcgcgcgagt cgtctgnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnccgc 60
 34 atcgtcctcc c 71
 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 32
 38 <212> TYPE: DNA
 39 <213> ORGANISM: Artificial Sequence
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

44 <400> SEQUENCE: 2
 45 taatacgact cactataggg aggacgatgc gg 32
 47 <210> SEQ ID NO: 3
 48 <211> LENGTH: 16
 49 <212> TYPE: DNA
 50 <213> ORGANISM: Artificial Sequence
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

55 <400> SEQUENCE: 3
 56 tcgcgcgagt cgtctg 16
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 71
 60 <212> TYPE: RNA

61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:

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64 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid
Ligand

66 <220> FEATURE:
67 <221> NAME/KEY: modified_base
68 <222> LOCATION: (1)..(71)
69 <223> OTHER INFORMATION: All pyrimidines are 2'F.
71 <400> SEQUENCE: 4
72 gggaggacga ugcggcaauc aaaacucacg uuauucccuc aucuauuagc uccccagac 60
73 gacucgccc a 71
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 71
77 <212> TYPE: RNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

83 <220> FEATURE:
84 <221> NAME/KEY: modified_base
85 <222> LOCATION: (1)..(71)
86 <223> OTHER INFORMATION: All pyrimidines are 2'F.
88 <400> SEQUENCE: 5
89 gggaggacga ugcggcaauc uccgaaaaag acucuuccug cauccucuca cccccagac 60
90 gacucgccc a 71
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 71
94 <212> TYPE: RNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

100 <220> FEATURE:
101 <221> NAME/KEY: modified_base
102 <222> LOCATION: (1)..(71)
103 <223> OTHER INFORMATION: All pyrimidines are 2'F.
105 <400> SEQUENCE: 6
106 gggaggacga ugcggcaacc ucgaaagacu uuucccgcau cacuguguac uccccagac 60
107 gacucgccc a 71
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 71
111 <212> TYPE: RNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

117 <220> FEATURE:
118 <221> NAME/KEY: modified_base
119 <222> LOCATION: (1)..(71)
120 <223> OTHER INFORMATION: All pyrimidines are 2'F.
122 <400> SEQUENCE: 7
123 gggaggacga ugcggcaacc ucgauagacu uuucccgcau cacuguguac uccccagac 60
124 gacucgccc a 71
126 <210> SEQ ID NO: 8
127 <211> LENGTH: 71

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128 <212> TYPE: RNA
 129 <213> ORGANISM: Artificial Sequence
 131 <220> FEATURE:
 132 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

134 <220> FEATURE:
 135 <221> NAME/KEY: modified_base
 136 <222> LOCATION: (1)..(71)
 137 <223> OTHER INFORMATION: All pyrimidines are 2'F.
 139 <400> SEQUENCE: 8
 140 gggaggacga ugcggcaacc ucaaucuuga cauuucccgc accuaaaauu gccccagac 60
 141 gacucgccc a 71
 143 <210> SEQ ID NO: 9
 144 <211> LENGTH: 71
 145 <212> TYPE: RNA
 146 <213> ORGANISM: Artificial Sequence
 148 <220> FEATURE:
 149 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

151 <220> FEATURE:
 152 <221> NAME/KEY: modified_base
 153 <222> LOCATION: (1)..(71)
 154 <223> OTHER INFORMATION: All pyrimidines are 2'F.
 156 <400> SEQUENCE: 9
 157 gggaggacga ugcggcaaac gaucacuuac cuuuccugca ucugcuagcc uccccagac 60
 158 gacucgccc a 71
 160 <210> SEQ ID NO: 10
 161 <211> LENGTH: 71
 162 <212> TYPE: RNA
 163 <213> ORGANISM: Artificial Sequence
 165 <220> FEATURE:
 166 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

168 <220> FEATURE:
 169 <221> NAME/KEY: modified_base
 170 <222> LOCATION: (1)..(71)
 171 <223> OTHER INFORMATION: All pyrimidines are 2'F.
 173 <400> SEQUENCE: 10
 174 gggaggacga ugcggacgcc agccauugac ccucgcuucc acuaauccau cccccagac 60
 175 gacucgccc a 71
 177 <210> SEQ ID NO: 11
 178 <211> LENGTH: 70
 179 <212> TYPE: RNA
 180 <213> ORGANISM: Artificial Sequence
 182 <220> FEATURE:
 183 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

185 <220> FEATURE:
 186 <221> NAME/KEY: modified_base
 187 <222> LOCATION: (1)..(70)
 188 <223> OTHER INFORMATION: All pyrimidines are 2'F.
 190 <400> SEQUENCE: 11
 191 gggaggacga ugcggccaac cucauuuga cacuucgccg caccuaauug cccccagac 60

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70

192 acucgcccga

194 <210> SEQ ID NO: 12

195 <211> LENGTH: 15

196 <212> TYPE: RNA

197 <213> ORGANISM: Artificial Sequence

199 <220> FEATURE:

200 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

202 <220> FEATURE:

203 <221> NAME/KEY: modified_base

204 <222> LOCATION: (1)..(15)

205 <223> OTHER INFORMATION: All pyrimidines are 2'F.

207 <220> FEATURE:

208 <221> NAME/KEY: modified_base

209 <222> LOCATION: (1)..(15)

210 <223> OTHER INFORMATION: N at positions 4 and 10 is A, G, 2'-F-U or 2'-F-C

212 <400> SEQUENCE: 12

15

W--> 213 gacnyuuccn gcayc

215 <210> SEQ ID NO: 13

216 <211> LENGTH: 71

217 <212> TYPE: RNA

218 <213> ORGANISM: Artificial Sequence

220 <220> FEATURE:

221 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

223 <220> FEATURE:

224 <221> NAME/KEY: modified_base

225 <222> LOCATION: (1)..(71)

226 <223> OTHER INFORMATION: All pyrimidines are 2'F.

228 <400> SEQUENCE: 13

229 gggaggacga ugcggaaccc auaacgcgaa ccgaccaaca ugccucccg gccccagac 60

230 gacucgccc a 71

232 <210> SEQ ID NO: 14

233 <211> LENGTH: 70

234 <212> TYPE: RNA

235 <213> ORGANISM: Artificial Sequence

237 <220> FEATURE:

238 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand

240 <220> FEATURE:

241 <221> NAME/KEY: modified_base

242 <222> LOCATION: (1)..(70)

243 <223> OTHER INFORMATION: All pyrimidines are 2'F.

245 <400> SEQUENCE: 14

246 gggaggacga ugcggugccc auagaagcgu gccgcuaaug cuaacgccc cccccagacg 60

247 acucgcccga 70

249 <210> SEQ ID NO: 15

250 <211> LENGTH: 71

251 <212> TYPE: RNA

252 <213> ORGANISM: Artificial Sequence

254 <220> FEATURE:

255 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

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257 <220> FEATURE:
 258 <221> NAME/KEY: modified_base
 259 <222> LOCATION: (1)..(71)
 260 <223> OTHER INFORMATION: All pyrimidines are 2'F.
 262 <400> SEQUENCE: 15
 263 gggaggacga ugcggugccc acuaugcgug ccgaaaaaca uuucccccuc uaccccagac 60
 264 gacucgccc a 71
 266 <210> SEQ ID NO: 16
 267 <211> LENGTH: 71
 268 <212> TYPE: RNA
 269 <213> ORGANISM: Artificial Sequence
 271 <220> FEATURE:
 272 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand
 274 <220> FEATURE:
 275 <221> NAME/KEY: modified_base
 276 <222> LOCATION: (1)..(71)
 277 <223> OTHER INFORMATION: All pyrimidines are 2'F.
 279 <400> SEQUENCE: 16
 280 gggaggacga ugcggaacac uuucccaugc gucgccauac cggauauauu gcucccagac 60
 281 gacucgccc a 71
 283 <210> SEQ ID NO: 17
 284 <211> LENGTH: 71
 285 <212> TYPE: RNA
 286 <213> ORGANISM: Artificial Sequence
 288 <220> FEATURE:
 289 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand
 291 <220> FEATURE:
 292 <221> NAME/KEY: modified_base
 293 <222> LOCATION: (1)..(71)
 294 <223> OTHER INFORMATION: All pyrimidines are 2'F.
 296 <400> SEQUENCE: 17
 297 gggaggacga ugcggacugg accaaaccgu cgccgauacc cggauacuuu gcucccagac 60
 298 gacucgccc a 71
 300 <210> SEQ ID NO: 18
 301 <211> LENGTH: 71
 302 <212> TYPE: RNA
 303 <213> ORGANISM: Artificial Sequence
 305 <220> FEATURE:
 306 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Nucleic Acid

Ligand
 308 <220> FEATURE:
 309 <221> NAME/KEY: modified_base
 310 <222> LOCATION: (1)..(71)
 311 <223> OTHER INFORMATION: All pyrimidines are 2'F.
 313 <400> SEQUENCE: 18
 314 gggaggacga ugcggaacaa ugcacucguc gccguaaugg auguuuugcu cccugcagac 60
 315 gacucgccc a 71
 317 <210> SEQ ID NO: 19
 318 <211> LENGTH: 71
 319 <212> TYPE: RNA

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/031,193A

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36
Seq#:1; N Pos. 37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56
Seq#:12; N Pos. 4,10
Seq#:64; N Pos. 10
Seq#:65; N Pos. 10

VERIFICATION SUMMARY

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Input Set : N:\Crf3\dbback2\Datahold\EFS\10031193\NEX86PCT.txt
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L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:1146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:0
L:1174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0